

DEC 8 1969

December 5, 1969

DAC - 20
Due 12-25

New Mexico Oil Conservation Commission (2)
P. O. Box 2088
Santa Fe, New Mexico

Attention of Mr. A. L. Porter, Jr., Secretary Director

Gentlemen:

Subject: Application for Downhole Commingling
Hawk "A" Well No. 5 - D-9-21S-37E

Continental Oil Company, Box 460, Hobbs, New Mexico, as operator of the Hawk "A" Lease respectfully requests administrative approval under the provisions of Order No. R-3845 to commingle in the well bore production from the Drinkard and Blinebry Pools in its Hawk "A" Well No. 5 located in Unit D of Section 9, T21S, R37E, Lea County, New Mexico. This dual completion was authorized by administrative Order No. MC-1598. The attached plat shows the Hawk "A" Lease outlined in red and the No. 5 well by the red circle.

Attached hereto are forms C-116 showing the results of tests taken within the last 30 days on the two zones in this well. As shown by these tests, the combined producing rate is 10 barrels oil, 1 barrel water and 33 MCFG per day. Both zones are artificially lifted.

The estimated bottom hole pressure after 24 hour shut in of the Blinebry zone is 268 psi based on the surface shut in pressure and the measured fluid level. The estimated BHP of the Drinkard zone is 1025 psi. The commingled production will be artificially lifted.

Attached hereto is a production decline curve for each zone. The future production from each zone is estimated by the extension of

NMOCC
Hawk "A"
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the curve. Since the two zones have been declining together, we propose to allocate the productin equally between them.

The fluid from these two pools has been commingled at the tank battery for a number of years and there has been no indication of incompatibility. Both crudes are typical Permian high gravity crude. Since the crudes have been commingled at the tank battery before sale to the pipe line, there should be no difference between the value of the commingled stream at the surface and that commingled within the well bore.

The Hawk "A" is a federal lease and a copy of this application is being furnished the U.S.G.S. and to all offset operators. Your further handling and approval of this application will be sincerely appreciated.

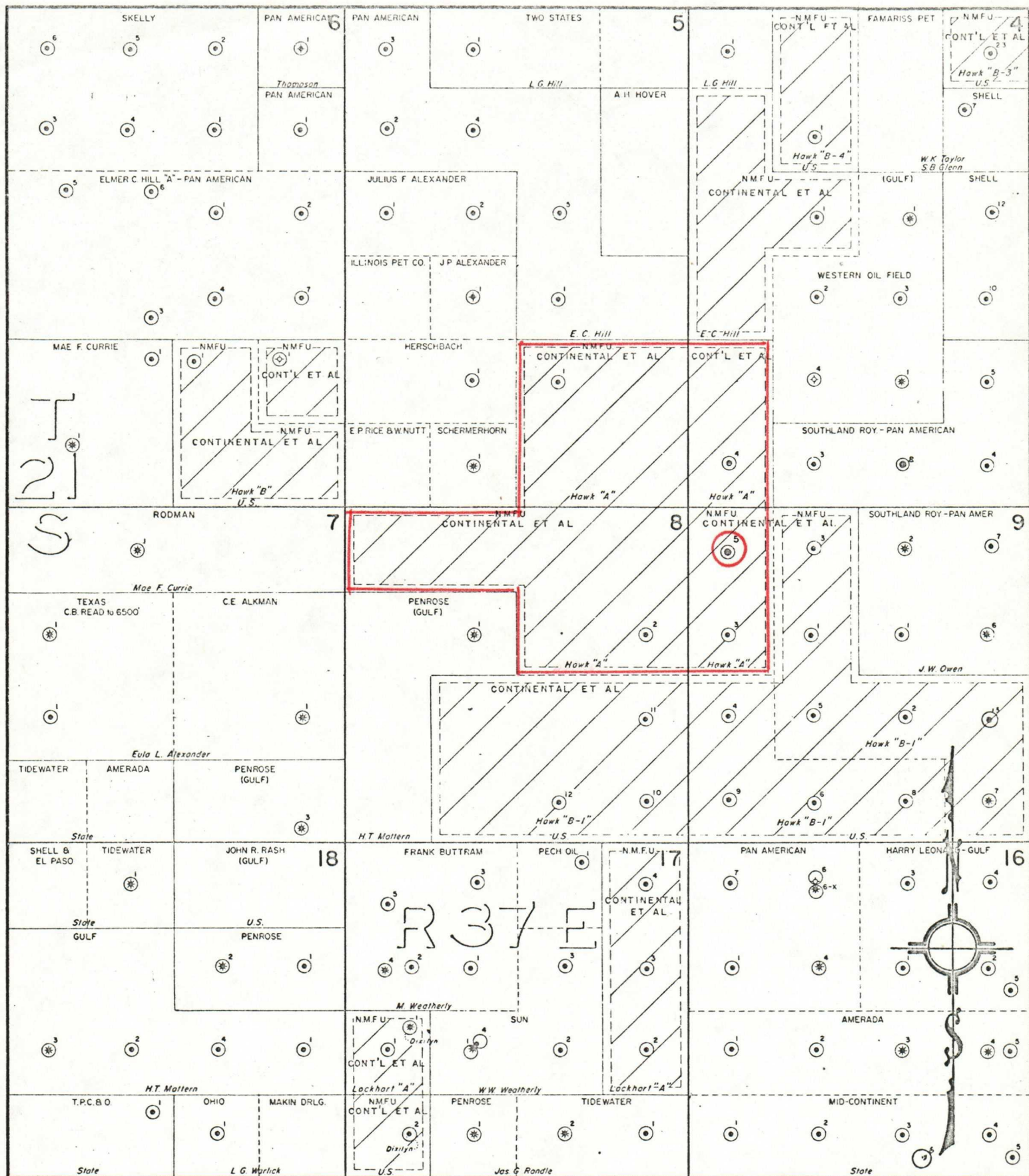
Yours very truly,



G. C. Jamieson
Assistant Division
Manager

VTL-JS
CC: NMOCC-Hobbs
USGS-Hobbs (2)
RLA JJB JWK

Pan American Petroleum Corporation
Western Oil Field



CONTINENTAL OIL COMPANY
 PRODUCTION DEPARTMENT
 HOBBS DIVISION
 HAWK A LEASE PLAT
 LEA COUNTY, NEW MEXICO
 SCALE: 1" 2000'

Operator Continental Oil Company		Pool Drinkard		County Lea											
Address Box 460, Hobbs, N. M. 88240		TYPE OF TEST - (X)		Completion ☐ Special ☒											
LEASE NAME	WELL NO.	LOCATION			DATE OF TEST	CHOKES SIZE	TBG. PRESS.	DAILY ALLOW-ABLE	LENGTH OF TEST HOURS	PROD. DURING TEST			GAS - OIL RATIO CU.FT./BBL.		
		U	S	T						R	WATER BBL.	GRAV. OIL		OIL BBL.	GAS M.C.F.
Lockhart B-11	10	H	11	21	37	11-17-69p	Open	40	5	24	1	37	2	50	25,000
Lockhart B-11	4	C	11	21	37	Shut-in; pumping unit moved.					Last	test	3 BOPD		
Hawk A	5	D	9	21	37	11-22-69p	Open	40	4	24	1	38	7	25	3,571
Hawk A	4	U	4	21	37	Shut-in - pumping unit moved.					0	37	2	33	16,500
Hawk B-3	13	X	3	21	37	11-16-69p	Open	45	2	24	1	36	10	32	3,200
Lockhart B-11	11	I	11	21	37	11-13-69p	Open	40	10	24	2	38	5	24	4,800
Lockhart B-14A	1	H	14	21	37	11-15-69p	Open	30	8	24	3	38	13	53	4,070
Lockhart B-11	16	F	11	20	37	Shut-in - pumping unit moved.									
Lockhart B-12	3	C	12	21	37	11-22-69p	Open	40	33	24					

No well will be assigned an allowable greater than the amount of oil produced on the official test.

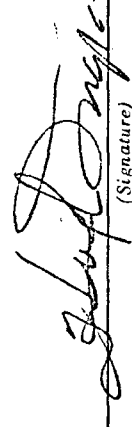
During gas-oil ratio test, each well shall be produced at a rate not exceeding the top unit allowable for the pool in which well is located by more than 25 percent. Operator is encouraged to take advantage of this 25 percent tolerance in order that well can be assigned increased allowables when authorized by the Commission.

Gas volumes must be reported in MCF measured at a pressure base of 15.025 psia and a temperature of 60° F. Specific gravity base will be 0.60.

Report casing pressure in lieu of tubing pressure for any well producing through casing.

Mail original and one copy of this report to the district office of the New Mexico Oil Conservation Commission in accordance with Rule 301 and appropriate pool rules.

I hereby certify that the above information is true and complete to the best of my knowledge and belief.


(Signature)

Administrative Section Chief

(Title)

12-5-69

(Date)

NMOCC (2) FILE

NEW MEXICO OIL CONSERVATION COMMISSION
GAS-OIL RATIO TESTS

C-116
Revised 1-1-65

Operator		Pool		County												
Continental Oil Company		Blinebry (Oil)		Lea												
Address		TYPE OF TEST - (X)		Completion ☐ Scheduled ☐		Special ☒										
LEASE NAME		WELL NO.	LOCATION			DATE OF TEST	CHOKE SIZE	TBG. PRESS.	DAILY ALLOW-ABLE	LENGTH OF TEST HOURS	PROD. DURING TEST		GAS - OIL RATIO CU.FT./BBL			
			U	S	T	R					WATER BBLs.	GRAV. OIL	OIL BBLs.	GAS M.C.F.		
Hawk A	5	D	9	21	37		11-10-69P	Open	40	3	24	0	38	3	8	2,667
Hawk A	4	U	4	21	37		11-23-69P	Open	55	7	24	1	38	11	24	2,180
Hawk B-3	13	X	3	21	37		11-11-69P	Open	40	8	24	3	38	8	70	8,750
Hawk B-10	4	H	10	21	37		11-22-69P	Open	45	9	24	0	38	7	30	4,285
Hawk B-10	9	B	10	21	37		Recompleted as single - shut-in 1966									

No well will be assigned an allowable greater than the amount of oil produced on the official test.

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I hereby certify that the above information is true and complete to the best of my knowledge and belief.

August Dwyer
(Signature)

Administrative Section Chief

(Title)

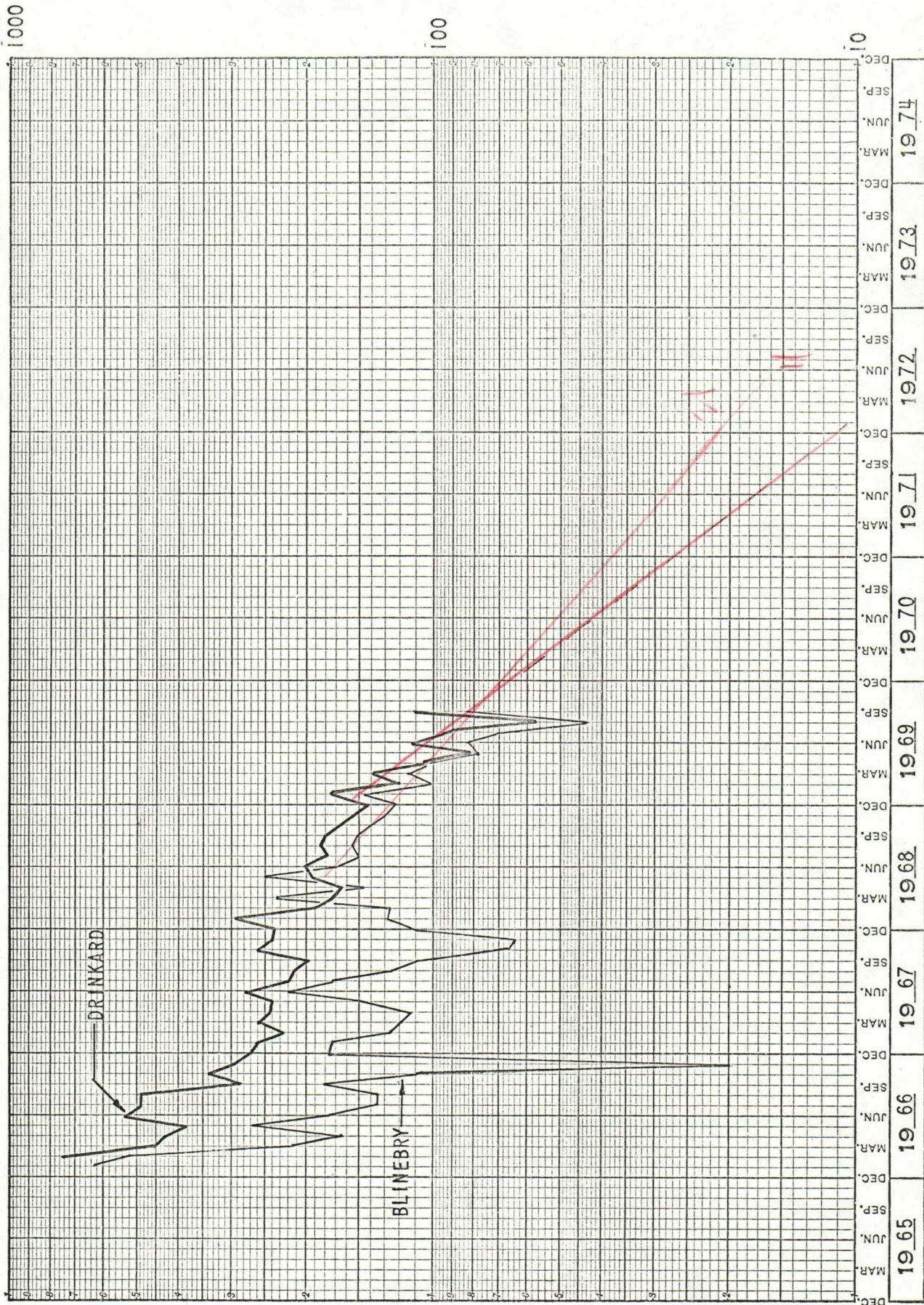
12-5-69

(Date)

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HAWK A NO. 5 DRINKARD-BLINEBRY



BQPM